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Claims

- art 34 amut A process of cleaning a filter containing residues from filtering beverages, the 1. residues containing water-insoluble proteins and/or polyphenols attached to the filter and polysaccharides, comprising contacting the protein and/or polyphenol containing residues with a solution containing an oxidising agent capable of oxidising proteins and/or polyphenols while minimising contact of the oxidising agent with the polysaccharides.
- A process according to claim 1, wherein the oxidising agent is a peroxide 2. compound or a hypohalous acid, and the oxidising agent is used in the presence of a transition metal.
- A process according to claim 2, wherein the transition metal is manganese or iron. 3.
- A process according to claim 2 or 3, wherein the transition metal is complexed 4. with a polyamine.
- A process according to claim 2, wherein the oxidising agent is hydrogen peroxide. 5.
- A process according to claim 2, wherein the oxidising agent is a peracid. 6.
- A process according to claim 1, wherein the oxidising agent is a hypohalous acid, 7. and the solution has a pH between 4 and 7.
- A process according to any one of claims 1-7, wherein the filter, prior to 8. contacting with the solution of the oxidising agent, is contacted with an alkaline solution.
- A process according to claim 8, wherein the alkaline solution has a pH between 9. 11 and 14.
- A process according to any one of claims 1-7, wherein contacting with the 10. solution of the oxidising agent is performed as a back-flush.
- A process according to claim 10, wherein the back-flush is performed at a rate of 11. 0.5 - 100 l of the solution per h per m² of filter surface.

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12. A process of cleaning a filter containing residues from filtering beverages, the residues comprising water-insoluble proteins and/or polyphenols attached to the filter and polysaccharides, comprising contacting the protein and/or polyphenol containing residues with a solution containing an oxidising agent comprising a peroxide compound together with a transition metal complex.